

wherein the source assembly and the detector assembly are coupled to the positioning means;  
and

generating an image of the object for each determined mode of operation.

PLEASE ADD THE FOLLOWING NEW CLAIM

36. A method of generating an image of an object using a multimode imaging system configured to operate in a plurality of modes of operation including at least three modes, the multimode imaging system including a source assembly including an x-ray source configured to emit x-ray signals, a detector assembly including a detector, and a means for positioning the source assembly and the detector assembly, said method comprising the steps of:

coupling the source assembly to the means for positioning;

coupling the detector assembly to the means for positioning;

selecting a first mode of operation;

positioning the source assembly and the detector assembly in a first position for the first mode of operation;

selecting a second mode of operation;

positioning the source assembly and the detector assembly for the second mode of operation in a second position different from the first position; and

generating an image of the object for each determined mode of operation.

Remarks

Claims 1-35 are pending in this application. Claims 1, 2, 4-11, 15-19, 21-24, and 26-29 stand rejected. Claims 3, 12-14, 20, 25, and 30-35 are objected to. Claim 36 is newly added.

A fee calculation sheet for the newly added claim along with authorization to charge a deposit account in the amount of the calculated fee are submitted herewith. In addition, and in accordance with 37 C.F.R. 1.136(a), a one month extension of time is submitted herewith to extend the due date of the response to the Office Action dated August 27, 2002, for the